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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/978,634DATE: 11/08/98  
TIME: 17:14:15

INPUT SET: S29657.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

## SEQUENCE LISTING

1  
2  
3 (1) General Information  
4  
5 (i) APPLICANT: ELAZAR RABBANI  
6 JANNIS G. STAVRIANOPOULOS  
7 JAMES J. DONEGAN  
8 DAKAI LIU  
9 NORMAN E. KELKER  
10 DEAN L. ENGELHARDT  
11  
12 (ii) TITLE OF INVENTION: NOVEL PROPERTY EFFECTING  
13 AND/OR PROPERTY EXHIBITING COMPOSITIONS FOR  
14 THERAPEUTIC AND DIAGNOSTIC USE  
15  
16 (iii) NUMBER OF SEQUENCES: 42  
17  
18 (iv) CORRESPONDENCE ADDRESS:  
19 (A) ADDRESSEE: ENZO THERAPEUTICS, INC.  
20 (B) STREET: C/O ENZO BIOCHEM, INC.  
21 527 MADISON AVENUE,  
22 9TH FLOOR  
23 (C) CITY: NEW YORK  
24 (D) STATE: NY  
25 (E) COUNTRY: USA  
26 (F) ZIP: 10022  
27  
28 (v) COMPUTER READABLE FORM:  
29 (A) MEDIUM TYPE: 3.5" Micro Floppy Disk. 1.44 KB  
30 STORAGE  
31 (B) COMPUTER: IBM PC/XT/AT, IBM PS/2 OR COMPATIBLES  
32 (C) OPERATING SYSTEM: PC-DOS  
33 (D) SOFTWARE: MICROSOFT WORD \_\_\_\_ - ASCII TEXT (DOS)  
34  
35 (vi) CURRENT APPLICATION DATA:  
36 (A) APPLICATION NUMBER: US 08/978,634  
37 (B) FILING DATE: 25-NOVEMBER-1997  
38 (C) CLASSIFICATION: Not Yet Known  
39  
40 (viii) ATTORNEY/AGENT INFORMATION:  
41 (A) NAME: FEDUS, RONALD C.  
42 (B) REGISTRATION NUMBER: 32,567  
43 (C) REFERENCE/DOCKET NUMBER: ENZ-53(D2)  
44  
45 (ix) TELECOMMUNICATION INFORMATION:  
46 (A) TELEPHONE: (212) 583-0100

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/978,634DATE: 11/08/98  
TIME: 17:14:17

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47 (B)TELEFAX:(212) 583-0150  
48  
49 (2) INFORMATION FOR SEQ ID NO:1:  
50  
51 (i) SEQUENCE CHARACTERISTICS:  
52 (A) LENGTH:20 amino acids  
53 (B) TYPE:amino acid  
54 (C) STRANDEDNESS:single  
55 (D) TOPOLOGY:linear  
56  
57 (ii) MOLECULE TYPE: peptide  
58  
59 (iii) HYPOTHETICAL: NO  
60  
61 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:1:  
62  
63 Gly Phe Phe Gly Ala Ile Ala Gly Phe Leu Glu Gly Gly Trp Glu Gly  
64 1 5 10 15  
65  
66 Met Ile Ala Gly 20  
67  
68  
69  
70 (2) INFORMATION FOR SEQ ID NO:2:  
71  
72 (i) SEQUENCE CHARACTERISTICS:  
73 (A) LENGTH:20 base pairs  
74 (B) TYPE:nucleic acid  
75 (C) STRANDEDNESS:double  
76 (D) TOPOLOGY:linear  
77  
78 (ii) MOLECULE TYPE: DNA (genomic)  
79  
80 (iii) HYPOTHETICAL: NO  
81  
82 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:2:  
83  
84 TGCTCTCTAA GGGTCTACTC 20  
85  
86  
87 (2) INFORMATION FOR SEQ ID NO:3:  
88  
89 (i) SEQUENCE CHARACTERISTICS:  
90 (A) LENGTH:15 base pairs  
91 (B) TYPE:nucleic acid  
92 (C) STRANDEDNESS:double  
93 (D) TOPOLOGY:linear  
94  
95 (ii) MOLECULE TYPE: DNA (genomic)  
96  
97 (iii) HYPOTHETICAL: NO  
98  
99 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:3:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/978,634DATE: 11/08/98  
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100  
101 CTCTAAGGTA AATAT 15  
102  
103  
104 (2) INFORMATION FOR SEQ ID NO:4:  
105  
106 (i) SEQUENCE CHARACTERISTICS:  
107 (A) LENGTH:16 base pairs  
108 (B) TYPE:nucleic acid  
109 (C) STRANDEDNESS:double  
110 (D) TOPOLOGY:linear  
111  
112 (ii) MOLECULE TYPE: DNA (genomic)  
113  
114 (iii) HYPOTHETICAL: NO  
115  
116 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:4:  
117  
118 TGTATTTTAG ATTCAA 16  
119  
120  
121 (2) INFORMATION FOR SEQ ID NO:5:  
122  
123 (i) SEQUENCE CHARACTERISTICS:  
124 (A) LENGTH:19 base pairs  
125 (B) TYPE:nucleic acid  
126 (C) STRANDEDNESS:double  
127 (D) TOPOLOGY:linear  
128  
129 (ii) MOLECULE TYPE: DNA (genomic)  
130  
131 (iii) HYPOTHETICAL: YES  
132  
133 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:5:  
134  
135 TGCTCTCTAA GGTAAATAT 19  
136  
137  
138 (2) INFORMATION FOR SEQ ID NO:6:  
139  
140 (i) SEQUENCE CHARACTERISTICS:  
141 (A) LENGTH:19 base pairs  
142 (B) TYPE:nucleic acid  
143 (C) STRANDEDNESS:double  
144 (D) TOPOLOGY:linear  
145  
146 (ii) MOLECULE TYPE: DNA (genomic)  
147  
148 (iii) HYPOTHETICAL: YES  
149  
150 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:6:  
151  
152 TGTATTTTAG GGTCTACTC 19

RAW SEQUENCE LISTING  
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153  
154 (2) INFORMATION FOR SEQ ID NO:7:  
155  
156 (i) SEQUENCE CHARACTERISTICS:  
157 (A) LENGTH:19 base pairs  
158 (B) TYPE:nucleic acid  
159 (C) STRANDEDNESS:single  
160 (D) TOPOLOGY:linear  
161  
162 (ii) MOLECULE TYPE: mRNA  
163  
164 (iii) HYPOTHETICAL: YES  
165  
166 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:7:  
167  
168 UGCUCUCUAA GGUAAAUAU 19  
169  
170  
171 (2) INFORMATION FOR SEQ ID NO:8:  
172  
173 (i) SEQUENCE CHARACTERISTICS:  
174 (A) LENGTH:19 base pairs  
175 (B) TYPE:nucleic acid  
176 (C) STRANDEDNESS:single  
177 (D) TOPOLOGY:linear  
178  
179 (ii) MOLECULE TYPE: mRNA  
180  
181 (iii) HYPOTHETICAL: YES  
182  
183 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:8:  
184  
185 UGUUUUUUAG GGUCUACUC 19  
186  
187  
188 (2) INFORMATION FOR SEQ ID NO:9:  
189  
190 (i) SEQUENCE CHARACTERISTICS:  
191 (A) LENGTH:20 base pairs  
192 (B) TYPE:nucleic acid  
193 (C) STRANDEDNESS:single  
194 (D) TOPOLOGY:linear  
195  
196 (ii) MOLECULE TYPE: mRNA  
197  
198 (iii) HYPOTHETICAL: YES  
199  
200 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:9:  
201  
202 UGCUCUCUAA GGGUCUACUC 20  
203  
204  
205 (2) INFORMATION FOR SEQ ID NO:10:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/978,634DATE: 11/08/98  
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206  
207 (i) SEQUENCE CHARACTERISTICS:  
208 (A) LENGTH:49 base pairs  
209 (B) TYPE:nucleic acid  
210 (C) STRANDEDNESS:single  
211 (D) TOPOLOGY:linear  
212  
213 (ii) MOLECULE TYPE: other nucleic acid  
214 (A) DESCRIPTION: /desc = "oligonucleotide"  
215  
216 (iii) HYPOTHETICAL: YES  
217  
218 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:10:  
219  
220 GGAATTCGTC TCGAGCTCTG ATCACCACCA TGGACACGAT TAACATCGC 49  
221  
222  
223 (2) INFORMATION FOR SEQ ID NO:11:  
224  
225 (i) SEQUENCE CHARACTERISTICS:  
226 (A) LENGTH:55 base pairs  
227 (B) TYPE:nucleic acid  
228 (C) STRANDEDNESS:single  
229 (D) TOPOLOGY:linear  
230  
231 (ii) MOLECULE TYPE: other nucleic acid  
232 (A) DESCRIPTION: /desc = "oligonucleotide"  
233  
234 (iii) HYPOTHETICAL: YES  
235  
236 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:11:  
237  
238 GACTAGTTGG TCTCGTCTCT TTTTGGAGG AGTGTCTGTC TTAGCGATGT TAATC 55  
239  
240  
241 (2) INFORMATION FOR SEQ ID NO:12:  
242  
243 (i) SEQUENCE CHARACTERISTICS:  
244 (A) LENGTH:46 base pairs  
245 (B) TYPE:nucleic acid  
246 (C) STRANDEDNESS:single  
247 (D) TOPOLOGY:linear  
248  
249 (ii) MOLECULE TYPE: other nucleic acid  
250 (A) DESCRIPTION: /desc = "oligonucleotide"  
251  
252 (iii) HYPOTHETICAL: YES  
253  
254 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:12:  
255  
256 GGAATTCGTC TCGGAGAAAG GTAAAATTCT CTGACATCGA ACTGGC 46  
257  
258

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/978,634DATE: 11/08/98  
TIME: 17:14:23

INPUT SET: S29657.raw

## \*\*\*\*\* PREVIOUSLY ERRORED SEQUENCES - EDITED \*\*\*\*\*

814 (2) INFORMATION FOR SEQ ID NO:42:

815

816 (i) SEQUENCE CHARACTERISTICS:

817 (A) LENGTH:67 base pairs

818 (B) TYPE:nucleic acid

819 (C) STRANDEDNESS:single

820 (D) TOPOLOGY:linear

821

822 (ii) MOLECULE TYPE: other nucleic acid

823 (A) DESCRIPTION: /desc = "oligonucleotide"

824

825 (iii) HYPOTHETICAL: YES

826

827 (ix) SEQUENCE DESCRIPTION:SEQ ID NO:42:

828

829 CCGGATAATA CGACTCACTA TAGGGCGAGC TCGGTACCCG GGTCTAGAGT CGACCTGCAG 60

830

831 GCATGCT 67

832

833

834

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/978,634**

DATE: 11/08/98  
TIME: 17:14:25

***INPUT SET: S29657.raw***

Line	Error	Original Text
38	Wrong Classification	(C)CLASSIFICATION:Not Yet Known